

ABSTRACT OF THE DISCLOSURE

A speech processing system modifies various aspects of input speech according to a user-selected one of various preprogrammed voice fonts.

Initially, the speech converter receives a formants signal representing an input

- 5 speech signal and a pitch signal representing the input signal's fundamental frequency. One or both of the following may also be received: a voicing signal comprising an indication of whether the input speech signal is voiced, unvoiced, or mixed, and/or a gain signal representing the input speech signal's energy.

The speech converter also receives user selection of one of multiple

10 preprogrammed voice fonts, each specifying a manner of modifying one or more of the received signals (i.e., formants, voicing, pitch, gain). The speech converter modifies at least one of the formants, voicing, pitch, and/or gain signals as specified by the selected voice font.